

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: Bob Kellogg <ae4ic@nr.infi.net>  
Subject: [14749] "Southern Brass" ?  
Message-ID: <199703150358.WAA13929@mh004.infi.net>

Gang,

This may be a dumb question - but, has anyone ever heard of a contest or DX team called the Southern Brass? I was talking to some guys in the Carolina DX booth at the Charlotte hamfest about QRP operation.

When I mentioned QRP, this one guy said sort of arrogantly, "I heard the Southern Brass was going to enter the next big one in the QRP category - then you guys will see what competition is all about" (or something like that)

They all kind of chuckled, and I said, "I hope they do well" -- Then they started laughing. (as if that was a forgone conclusion) I'm so new to the contest stuff, I didn't know what to say, so I just laughed, too. But, I must admit, I was irritated a little. I've gotten over that, but still would like to know what they were talking about. Is it likely that one of the big contest groups is going to switch to QRP? And, will their equipment and experience wipe us out?

How about one of you old timers filling me in? Reply direct to me if I'm the only one in the dark.

CUL,  
Bob Kellogg, AE4IC, Greensboro, NC  
Probably, but not nececelery. - Benny Hill

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: George Gingell <k3tks@u1.abs.net>  
Subject: [14752] 2xQRP MD-AZ  
Message-ID: <Pine.BSI.3.93.970314230246.13454A-1000000@u1.abs.net>

Congrats to both of us on the Two way QRP QSO tonight. (Friday Night). 0316-0324Z, 15 March 1997, 7.038 Mhz, (Yours heard on 7.037.9) 559 with QSB and RTTY QRM. QSL my RST 229. Your 4 Waqtts and H.B. rig my 1 Watt with QRP+ and 80 Meter "A.O.G." Horizontal loop at 45 feet in the wet Oak trees. I believe you are also running a BIG loop. Sure glad we could make the sked work. It was fun. Hope we can do it again some time. Sorry I missed the "FOX", but I had to take the XYL out for a short shopping trip tonight. Glad to hear you got NJ as well. The OFFICIAL QSL will be in the mail...

72 es

QRP DX TU (C) 1986 G.Danny Gingell, K3TKS@abs.net  
Maryland Milliwatt QRP Reference Library, (301)572-6789

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: mdwatt@usit.net (Marty Watt)  
Subject: [14795] 38 Special help -- no recieve audio  
Message-ID: <332b0b97.148744786@smtp.usit.net>

The NE 602's arrived today, and I anxiously plugged them in, turned on the rig, and voila ... absolutely no audio. I have no idea why. Voltages look fine except for the 74HC240. Voltages on that device are as specified in Paul's (NA5N) Voltage chart, except:

Pin 1 -- 7.9 V  
Pin 11 -- 0 V  
Pin 13 -- 7.9 V  
Pin 15 -- 0 V

I've tried both the 240's I have, with the same results.

I have the Tick keyer in, and it appears to be working fine. Cut the trace and added the 4.7k ohm resistor between C32 and U5, pin 6.

Got a little smoke, origin unknown, when I keyed the rig to check the xmit voltages on the TiCK. Voltages remained the same on all chips before and after smoke, though. Probably popped the IRF510 (again). No smoke subsequently. Not sure how the IRF510 would have blown, though. It is well away from the case, not heatsinked at this point, but had less than 2 seconds of power to it (if it worked at all). Perhaps the antenna ground lead hit it. I'm using RG174 between the board and the antenna connector. Now, the ground from the coax is insulated with tape.

This thing is a bear to debug. I'm sure if it goes right, it's easy, but mistakes are hard to track down and fix, particularly for those of us with "kit mentality" (i.e., the theory is beyond me at this point).

Any thoughts? I've checked for obvious solder bridges and broken connections. No sidetone, no audio period.

72 es 73 de=20  
Marty, KM7W

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Jackson, Tennessee e-mail: mdwatt@usit.net  
http://www.public.usit.net/mdwatt  
"The Curmudgeon's Corner"  
NorCal #???? - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq  
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From owner-qrp-l@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: TonyDrumm@ibm.net (Tony Drumm)  
Subject: [14802] 38S audio tone  
Message-ID: <199703152351.XAA81794@out2.ibm.net>

I found it! I have an APRS station running full time. I was reconfiguring something on the computer. While the computer was turned off, I thought I'd check the 38S and see if it made a difference. Nope. Then I reached up and turned off the PK232 data controller. Bingo!

Things might improve when I put the 38 Special into a case. I was surprised to get such wide-band noise from the PK232. Tried tightening the screws a bit on it, but no luck.

72.  
Tony Drumm  
ARS AA0SM - Rochester, MN

From owner-qrp-l@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: mdwatt@usit.net (Marty Watt)  
Subject: [14769] 38S choke response summary  
Message-ID: <332ab94e.127676355@smtp.usit.net>

On Fri, 14 Mar 1997 17:14:13 GMT, mdwatt@usit.net (Marty Watt)  
wrote:

>The RIT mod in the 38S calls for removal of the 4.7uH choke and  
>installing rather a 6.8uH choke. Will/should substitution of the  
>6.8uH choke expand the frequency coverage without the RIT mod? Or  
>should the 4.7uH choke be left in?  
>  
>Is 6.9uH close enough to use for this mod?

Thanks for the responses. It would seem that the answer to the frequency range question is to change the choke, with or without the

RIT mod (I'm not going to do the RIT at this point). But, the choke can take the low freq. outside the band, so be prepared to install a variable or fixed resistor on the tuning pot to bring the frequency up.

Thanks again ...

72 es 73 de=20  
Marty, KM7W

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Jackson, Tennessee e-mail: mdwatt@usit.net  
http://www.public.usit.net/mdwatt  
"The Curmudgeon's Corner"  
NorCal #???? - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq  
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From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: mdwatt@usit.net (Marty Watt)  
Subject: [14783] 38S grounding crystal cases and freq. readout  
Message-ID: <332adfc6.137525812@smtp.usit.net>

Question 1 -- some time back there was a question re: grounding the crystal cases. Are the silver pads on top of the board connected to ground? Are these suitable for grounding the crystal cases?

Question 2 -- I have a freq. counter. Measuring transmit freq. is no problem. How would I monitor receive frequency via a frequency counter on the 38 Special? I'd like to use the frequency counter as a "portable" digital display.

Tnx!

72 es 73 de=20  
Marty, KM7W

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Jackson, Tennessee e-mail: mdwatt@usit.net  
http://www.public.usit.net/mdwatt  
"The Curmudgeon's Corner"  
NorCal #???? - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq  
-----

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997

From: PDouglas12@aol.com  
Subject: [14742] A correction  
Message-ID: <970314212313\_141187287@emout20.mail.aol.com>

Gang,

Bruce Williams called me to task for some errors in my review of his MXM transceiver, and I would like to make some corrections to that review which appeared in the October issue of QQ. First, though, as Bruce was pleased to note, my review of the MXM was and was meant to be a positive one.

My primary error was a comment that the IF shift feature in the MXM could offset the transmitter from the receiver. This is not possible, as the shift occurs in a middle stage of the MXM's double conversion receiver.

Compounding the error, I said the receiver could be off from the transmitter by as much as 1500 kHz. I meant 1500 hertz, of course, but even that was wrong. There is no offset error. Bruce was particularly concerned that a discerning ham could conclude from the juxtaposition of these two errors that the MXM could be inadvertently operating out of band. No, it can't.

Finally, I said the rig will produce 2 watts of clean audio. I assume most readers realized that I meant it would produce 2 watts of clean RF.

I apologize for the errors.

Preston Douglas WJ2V

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: "Jim (AL7FS) and Nancy (KL7NY) Larsen" <larsennnc@alaska.net>  
Subject: [14746] Alaska QSO Party - Additional Notes  
Message-ID: <332A11F0.F39@alaska.net>

This is a multi-part message in MIME format.

-----6A883E763A9D  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I have received Kyle's permission to post his email address to the list. Kyle is the contact for Alaska QSO Party contest entries. Additional notes are attached.

Contact info is:

Kyle Sandel AL7J  
mailto:sandelkw@alaska.net

-----6A883E763A9D

Content-Type: message/rfc822

Content-Transfer-Encoding: 7bit

Content-Disposition: inline

Received: from LOCALNAME (anc-p23-115.alaska.net [206.149.120.115]) by calvino.alaska.net (8.8.0/8.7.3) with SMTP

id VAA09064 for <larsennc@Alaska.NET>; Thu, 13 Mar 1997 21:58:13 -0900 (AKST)

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997

From: Cecil A Moore <Cecil\_A\_Moore@ccm.ch.intel.com>

Subject: [14801] Backpacking Antennas (and others)

This thread will describe a method of matching an antenna using one parallel capacitor. I'll describe the two capacitor method later. Let's take the easier one first which requires a certain total length of twinlead or ladder-line for each frequency.

Let's concentrate on 300 ohm ladder-line with a velocity factor of 0.8 feeding a 102 ft center-fed dipole on 7.045 MHz.

I have already published a BASIC program which allows one to estimate the location of the I<sub>max</sub> (current loop) point on the feedline. If the 300 ohm SWR is greater than 6:1, we will be able to find a PC-50 point where a Parallel Capacitor will result in a perfectly resistive 50 ohms on one frequency. On each side of this resonant frequency, the antenna will act similar to a resonant dipole with rising SWRs. However, by varying the length of the ladder-line by a few feet, a 1:1 SWR can be achieved across the entire band.

Lets look at our 102 ft dipole on 7.045 MHz. EZNEC says that the SWR of our 40 ft tall antenna is 10.6:1 so we are satisfied that we will be able to achieve our 50 ohm target. (300 divided by 10.6 is less than 50).

The following statements apply to all frequencies. The farthest away from the I<sub>max</sub> point that the PC-50 point ever gets is 0.014 wavelength. For 300 ohm line with VF equal 0.8, dividing 787 by the frequency will give us one wavelength of ladder-line. The maximum value of capacitive reactance ever required is -j55 ohms.

Our frequency is 7.045 MHz.  $787/7.045 = 111.7$  ft equals one wavelength.  $0.014 \times 111.7$  equals 1.6 ft. Our BASIC program says that an I<sub>max</sub> point exists at 35.6 ft.

35.6 + 1.6 = 37.2 ft. -j55 ohms at 7.045 MHz is about 400 pf so let's use a 1000pf variable capacitor.

We need to feed this arrangement with a 1:1 current choke/balun. A number of turns of coax or a W2DU toroidal sleeve choke or a number of turns of coax on a toroid will work.

We can use a 50 ohm antenna analyzer or the rig and an SWR meter for fine tuning. While varying the frequency and capacitor, we can find a resonant frequency. It is probably lower than 7.045 MHz. If it is, the feedline is too long so cut off six inches and try again. Keep it up until the antenna yields a 50 ohm SWR of 1:1 on 7.045 MHz. If the resonant frequency is too high, the feedline will need to be lengthened. Butt connectors are ideal for splicing ladder-line.

Explaining something like this is extremely difficult without graphics. When we are finished, our antenna system should look something like this.

```

+-----+
| 1:1 |-----+-----+
XMTR-| Current | 400pf cap   about 33.4 ft twinlead to ant
| Balun  |-----+-----+
+-----+
```

If 33.4 ft is too short, simply add 1/2 wavelength of ladder-line. If it's not obvious, the 400pf capacitor \*is\* our balanced antenna tuner. Note that the 33.4 ft of twinlead is close to the length of the "tuned feeder" on a G5RV.

This can be done for any length center-fed antenna on any frequency provided the 300 ohm SWR is greater than 6:1. (300/SWR < 50)

73, Cecil, W6RCA, 00TC

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: svecbrdk@well.com (L.Svec,W.Burdick)  
Subject: [14760] Caltech and the NorCal 40A: New EE20 Curriculum!  
Message-ID: <v01510103af4ff03b624e@[206.15.69.85]>

Hi all,

Last year, Professor David Rutledge at the California Institute of Technology (commonly known as Caltech) contacted Wilderness Radio to order a few NorCal 40A kits. He was concerned that the EE/RF curriculum at Caltech needed something new--something that would help put electronic design into a more interesting context for the students. After much discussion with myself and Bob Dyer at Wilderness, Prof. Rutledge concluded that the NorCal 40A could be used effectively as a teaching tool.

Nearly 100 transceivers later, the NorCal 40A is now the official course project for the Caltech EE20 class, "The Electronics of Radio." The first group of undergrads to take the two-term class has just completed the course and lab work, and all of them completed the radio, too, apparently with great success. (The jury is still out on whether some will go on to get ham licenses, but it's safe to say that among EE students, they have more than average awareness of amateur radio and QRP!)

In conjunction with the EE20 class, Prof. Rutledge has written a complete course text/lab book that's nearly an inch thick. In my opinion, this book is a fresh and important contribution to electronics education, and I have congratulated him for doing a remarkable job.

The NorCal 40A is used throughout the course book to illustrate the theory and practice of basic through advanced electronics. Upon completion of the course, students will have completed the radio--one block at a time. The theory sections are very readable; some knowledge of calculus is helpful. All principles are carefully illustrated. The NorCal 40A manual appears as an appendix, as do data sheets for nearly every active device in the radio. (It's the ultimate assembly manual: if you finish reading it, you can then design your own rig the next time!)

To add a bit more context, here are a couple of excerpts from Prof. Rutledge's Preface to the EE20 course book, describing his motivation for the new curriculum:

"A modern introductory Electrical Engineering textbook is formidable. One thousand pages of matrices and theorems, and five hundred exercises sap enthusiasm from the hardest students. And even after wading through this massive amount of material, students may be no closer to designing or building electronics.... The mathematics of communications, although beautiful, is limited--engineering products must be built. Today's electrical-engineering students have usually not built stereos or tinkered with cars, and this means that they do not know the smoke and smell of construction, or the excitement of electronic circuits coming to life...."

"This is a two-term introduction to electronics that is based on the progressive construction of a radio transceiver, the NorCal 40A.... This approach is not traditional. The reader will not find Laplace transforms or matrix circuit solutions...."

I have suggested to Prof. Rutledge the possibility that some in the amateur radio community, especially those who build their own gear or would



like to, might be interested in purchasing the EE20 course book directly from Caltech. This is not usually done, but he'd like to determine if there is such interest. Please send me e-mail with your comments on this, and I'll summarize them for him.

Prof. Rutledge and I will also be co-authoring an article later this year describing the new curriculum. And keep an eye out for another article by Prof. Rutledge in QST. It describes 300- and 500-watt class E solid-state amplifiers that he and his students designed to boost the power of the NorCal 40A!

I think that the new EE20 course curriculum is a positive development not only for Caltech, but for amateur radio; we're always lamenting the fact that young people are losing interest. What better pool of new enthusiasts than EE students! As a matter of fact, the course book includes an extra-credit assignment: to hook up the radio to an antenna, copy some Morse code, and turn in the text for grading. (Sound familiar?)

I wanted to again thank NorCal members and others who have helped me refine the NorCal 40/40A design through three years of field testing and the rig's subsequent commercial release. I don't know if the induction of the '40 into the Caltech curriculum is going to be the start of a trend for QRP rigs in general, but I do feel proud that we have made a small contribution to higher education!

73,  
Wayne A. Burdick  
N6KR

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: Ron Giuntini <rong@slip.net>  
Subject: [14736] FCC Fines  
Message-ID: <E0w5i4E-0002Kg-00@ferret>

I "just read" where the FCC is going to impose heavy fines for starting stupid rumors. (OOPS)

Ron, KB6GK

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: mark.milburn@arbbs.com (Mark Milburn)  
Subject: [14735] FCC to license computers  
Message-ID: <f007.1436.-1@arbbs.com>

"Read a story"? .. WHERE did you read this story? Who wrote it? It sounds like somebody trying to start something again.

No...let's start with your rumor...give some details or drop it.

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... nfx v2.6 [C0000] It's true I was born at night...but not LAST night
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From owner-qrp-l@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: John Seboldt <rohrwerk@pcOnline.com>  
Subject: [14794] FCC to license computers  
Message-ID: <l03010d04af5068067855a@206.145.48.105>

This reminds me of something I read once in my early internet days, but did not save. It was a great humorous piece about the FCC licensing Internet users -- a Novice class limited to 2400 baud and 8 MHz CPU, a tiered structure of computer power for different classes, and other such humorous analogues to the amateur licensing structure.

Anybody have this, by any chance?

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: Brad Mugleston <bmug@gw1.com>  
Subject: [14745] FOX HUNT  
Message-ID: <01BC30A7.69C7BA60@pps-pc10.gw1.com>

Well I'm sitting here at work and can't wait until MONDAY NIGHT LOCAL for my last turn as a FOX this season. I will be on between 0200 and 0400Z around 7.112MHz. Lets have a great blowout time. Don't give up on me I will be there and if you stand on your left foot just right the propagation gods will let you through.

Its been a great year and Thanks for all the great hunts.

de KB0ROL, Brad

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: "Dean Marzocca" <n2tnn@ifu.net>  
Subject: [14731] Fox is getting ready  
Message-ID: <199703150012.TAA02195@mail.ifu.net>

OK Hounds,

Just had some dinner and am getting things set for the hunt. First, need to put on the UTC watch, (just kidding) and check for the 0100 start. Ready in about one hour.

Freq will be 7.037 +/- as usual

Format will be your call, my rst, your name, your state and your qrp-1 number.

Let's fly, but not too fast, we need to get everyone in on the action, band sounds good tonight.

Running QRP+ 4w  
Index lab companion tuner

Gap vertical  
Bencher paddles  
WM-1 wattmeter

Hope to hear you all...  
72/72 Dean N2TNN NJ

From owner-qrp-l@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: "Dean Marzocca" <n2tnn@ifu.net>  
Subject: [14751] Fox report 3-14-97  
Message-ID: <199703150408.XAA07007@mail.ifu.net>

Ok you hounds,

Here it is, hot off the press, just released, with all the mistakes waiting for your corrections :- ) (might not be any, but send them to me anyway)

First thing is to thank you all for the patience. We are a day late but we did it. I paid the price with the extra qrm that was all saved up for Friday. The RTTY was every where and about s-7. There were too many key-downs or tuner-uppers to count and then to top it off there was a station that sounded like an echo. I would finish a contact and he would call out my last qso. He carried on for about 10 minutes and then faded off into the sunset. The QSB was in there a bit but most of you hung in there for me.

I did have one problem with the filter in the QRP+. It was clipping off some letters when I had it cranked down and there was a strong adjacent signal. Seems like the AGC had superior control over the rig signals. I had to ask for a few repeats but I wanted to be sure. Good rig none the less.

Thanks to the few slow stations that took a chance and jumped in tonight, your qsos are appreciated and I know it took some nerve getting into the pile-up, especially with the qrm. One suggestion, just send quicker so the signal gets through the openings, brief openings as with the RTTY. Other wise, no problems to speak of. It was a great pleasure being a fox this year and my hat is off to all the hounds that chased me this season. Chuck told me in the begining that it would be fun, and it sure was. Words can't describe the feelings that went through my fingers sending back those "famous" calls I read about every day on the list. What an inspiration for us all, QRP-L.

Hope I get a chance to do it again. Only after I get one of them fancy UTC thingys. Don't want to be late again!

I don't know what this list will do for the standings but I did my best to

pull you all in.

0100	KK5RO		559	OK	VERNON	325
0101	KE4YH		549	FL	STEW	590
0108	NQ7X	339	AZ	FLOYD		443
0109	K6VNX		449	CA	ARLEN	5W
0110	AA0XI		429	CO	MARSHALL	153
0112	W6ZH	449	CA	PETE		257
0115	K10J	449	TX	OJ		732
0115	AB7MY		449	AZ	GARY	571
0116	N4SO	229	AL	KEN		5W
0119	W5TFB		339	TX	JACK	72
0120	AE4JM		229	AL	MATT	???
0123	W5FN	339	TX	TIM		586
0126	K4GT	459	GA	JIM		1023
0143	K2VCO		229	CA	VIC	725
0149	N9DD	569	IN	TOM		32
0151	NN9K	559	IL	PETER		05?
0152	K0EVZ		339	MN	DOC	861
0156	N4ROA		549	VA	DAN	970
0158	WA6TLA	559	CA	ELLIOTT		920
0201	AB7TT		529	AZ	JOE	191
0203	K1MG	339	CA	MIKE		614
0206	KK4KF		559	FL	BILL	755
0214	W7GVN	119	AZ	ROD		49?
0219	K5NZ	559	TX	MIKE		5W
0230	W6IU	339	CA	JOHN		48
0232	N6XU	439	CA	STAN		66
0233	WD4ET		469	FL	JEFF	551
0243	K5ZTY		459	TX	BILL	473
0244	AB5UA		559	OK	CLIF	478
0247	N0UVR		579	CO	DAVE	???

Please make your corrections asap so I can pass them along to Chuck.

72/72 Dean N2TNN NJ QRP-L #560

From owner-qrp-l@Lehigh.EDU Sat Mar 15 18:05:00 1997

From: Jim Bennett <jbennett@ebmud.com>

Subject: [14785] FS: OHR400, Tuner, TNC

Message-ID: <332AE0DD.1C32@ebmud.com>

Time to clean out some un-needed equipment in preparation for getting hitched and moving to a new QTH.....

Selling the following, all working and in great shape. Will ship (at my expense - USA only) to the first offer on each item. Other replies will be kept on file in case the first person changes his/her mind. All prices are firm.

1. OHR-400 5W, 4 band rig. Assembled by me, professionally aligned at Oak Hills Research. Includes internal keyer unit. Also includes external DD-1 digital display unit. All assembly manuals and cables are included. Price - \$290.
2. MFJ 948 Deluxe Versa-Tuner II. Has 0-30 and 0-300 watt ranges. Handles multiple antennas, uses Daiwa-style dual needle metering. Price - \$80, sent in original box.
3. Kam-Plus TNC. Kantronics HF and VHF unit. Runs RTTY, Pactor, Amtor, and CW. Is able to run HF and VHF concurrently. Optional chip from Kantronics corp will allow Gtor (I think it costs ~ \$35). Included is the TNC itself, all cables, connectors, manuals, and the Hostmaster Plus software for IBM & compatibles. Price - \$120.

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Jim Bennett / W6JHB (jbennett@ebmud.com)  
Supervising Systems Programmer  
East Bay Municipal Utility District  
Oakland, CA 94607  
voice: 510.287.0224 / fax: 510.287.0373  
-----

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: John Dorson <jdorson@bbs.mpcs.com>  
Subject: [14739] got that fox on 7,037.2  
Message-ID: <199703150148.UAA26486@bbs.mpcs.com>

can't beleive it. 1st try and i snagged him. this was the first time ever trying to contact the fox. not bad from fl to nj on less that 2 watts and a not so good ant...

don't you just love this QRP...  
Thank You

John Dorson Real Estate Consultant in Melbourne Beach, Brevard County Florida  
E-Mail To: jdorson@bbs.mpcs.com  
-----

| Trying for WAS - AL,AK,AZ,AR,CA,CO,CT,FL,GA,IL,IA,KS,KY,LA,ME,MD,MA|  
| and worked these: MI,MN,MT,NH,NJ,NY,NC,ND,OH,OK,OR,PA,RI,TX,VT,VA,WA|  
WI

K2JHU only QRP... CQC #351, GQRP # 9092, QRP-L #672

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: jim hale <kj5tf@mctc.com>  
Subject: [14791] Hamcom interface & software  
Message-ID: <332AF556.1CE5@mctc.com>

I'm finishing the Hamcom interface today, the little thing is going to be inside an Altoids tin. With a long tail that runs to the back of my computer ;-)

I wonder if any of you have any comments on QRP RTTY, AMPTOR, etc with this interface.. I would appreciate any comments. I know very little. I'm planning on using my Ten Tec Argosy 2 525D.

I have the RX & TX cables ready for the Ten Tec, computer cable, ready, and getting ready for the smoke test. Too bad I don't have the Hamcom software !

I didn't see the software at ARRL, so need help finding the latest software on the web. I'm going to search Hot Bot and see what that gets me...

Thanks for any help/comments ! de Jim

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: Bill Myers <bjmyers@arc.net>  
Subject: [14737] Heath HM-9 Help/Info  
Message-ID: <1.5.4.16.19970314192648.1b17c0aa@mail.arc.net>

I just bought a Heath HM-9 at the local hamfesdt for \$20.00.

There are no markings on the front dial for the two knobs.

Could someone tell me what each knob is for.

The left one is a pot and the right one is an 8 position switch.

Thanks

72/73

--

Bill Myers      KK4KF      Grid - EM60rk  
FISTS#2390 QRP-L#755 ARCI#9282 scQRPions#42  
CQC#386 NE#508 AK/QRP#081  
Snail Mail      P. O. Box 178    Shalimar, FL 32579  
e-mail          <bjmyers@arc.net>  
homepage <http://destin.nfds.net/~bmyers/>  
CHECK OUT THE FISTS INTERNATIONAL CW CLUB U. S. HOMEPAGE  
<http://n9nvv.qrp.com/~fists>    (That's N 9 N V V)

From owner-qrp-l@Lehigh.EDU    Sat Mar 15 18:05:00 1997  
From: Jerry Parker <jparker@fix.net>  
Subject: [14789] HW - 8 mods  
Message-ID: <2.2.32.19970315185836.00cce1dc@fix.net>

Can anyone help Steve out.    Please send him you info direct.

72,,,Jerry...WA6OWR...K

>From: "Steve Herczeg" <safeone@ptd.net>  
>To: <jparker@fix.net>  
>Subject: HW - 8 mods  
>Date: Fri, 14 Mar 1997 21:53:57 -0500  
>X-MSMail-Priority: Normal  
>  
>Hi  
>  
>I am looking for HW -8 mods.  
>I found a well built, unmodified unit. Ade Weiss, WORSP, did a series back  
>in the 70's. I would like to buy or copy the articles or any others.  
>  
>73  
>Steve  
>N3ANW



>(Almost No Watts)

>  
>  
>  
>  
>

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: "Dick Dillman" <ddillman@igc.apc.org>  
Subject: [14733] HW-9 Wanted  
Message-ID: <70791.ddillman@igc.apc.org>

Greetings, guys. Well, now that I have the QRP bug I obviously need my first QRP rig. For some reason I've become strangely attracted to the Heath HW-9. If anyone knows of one needing a new home I'd appreciate hearing about it. Extra points for the WARC version, of course.

Regards,

Dick

Dick Dillman  
WPE2VT W6AWO  
<ddillman@igc.apc.org>  
Collector of Heavy Metal:  
Harleys, Willys and Radios Over 100lbs.

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: Steve/n0tu <N0TU@webaccess.net>  
Subject: [14771] Impaired Antenna Knowledge /Questions  
Message-ID: <332ABCE9.3A29@webaccess.net>

Cecil A Moore wrote:

>  
> >From: "Bradley S. Mitchell" <bmitchel@kodak.com>  
> >Any great ideas out there for backpacking  
> >antennas? 73 Brad WB8YGG  
>

> Hi Brad, here is what I consider a great idea for backpack  
 > antennas. 102 ft dipole with whatever length of 300 ohm  
 > ladder-line that you want to carry. It will work for any  
 > HF band but should be tuned ahead of time.  
 >  
 > For any HF band, there is a place on the ladder-line close  
 > to the antenna that will result in a 1:1 SWR when a parallel  
 > capacitor is added. There is a second place close to the  
 > transmitter that will result in a 6:1 SWR when a parallel  
 > capacitor is added. Why would one want to do that? Because  
 > a 6:1 SWR will transform the 300 ohms to a perfectly resistive  
 > 50 ohms. Put a 1:1 current balun/choke between the ladder-  
 > line and the coax and one has a perfectly matched antenna.  
 >  
 > It's called the double stub matching technique. Is anybody  
 > interested in the details?  
 >  
 > 73, Cecil, W6RCA, OOTC

Hello Cecil...I've read several of your postings on this  
 concept...sounds like a great idea. However, my knowledge about antennas  
 is impaired as you can see from the questions I ask below!

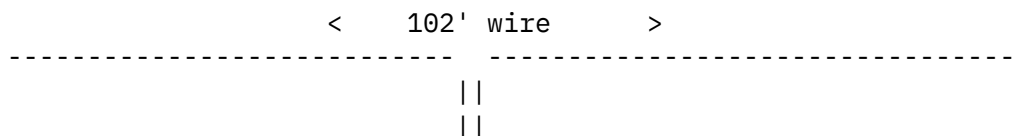
1. I like the idea of using 300 ohm twinlead because it's lightweight  
 and easy to handle in and out of the pack...I've been using it with  
 simple CLC tuner w/SWR meter...works great. However, I would love to  
 leave that 30 oz. tuner at home on the bench! Will the 300 ohm feedline  
 (twinlead, non-open wire) work with your idea as opposed to the open  
 wire ladderline (I sure haven't seen much of this stuff around lately  
 with all the cable/satellite systems going in)?

2.Does it matter how long or short ur 50 ohm coax is...say you used only  
 a 5' piece of coax? and 40' or so of twinlead? How do determine the where  
 the cap goes and won't it change with frequency and the environmental  
 surroundings.

3.What is a 1:1 current balun/choke?

4.Is this configuration similar to the G5RV?

5.Finally, I usually only operate one band/one rig during an outing so  
 this concept is very appealing...If I understand your idea it's as  
 follows:



```

      || < 300 ohm twinlead (?)length
      ||
      \\
      //
      \\
      / \
     /   \
    -||-   cap accross feedline
     \   /   at the magic spot?
      ||
      \\
      \\   50 ohm coax any length?
choke balun? +===== rig

```

Thank for more details please...Steve

-----  
 "Just doing it" - Havin'a blast buildin' & usin' QRP gear that is...  
 n0tu/hw8/49er/SW40/38s/solar/backpack-mobile... QRP-L # 911  
 My homepage - <http://www.webaccess.net/~S&P> ARS# 206 CQC# 394

From owner-qrp-l@Lehigh.EDU Sat Mar 15 18:05:00 1997  
 From: "Carol N. Wright" <cnw@HiWAAAY.net>  
 Subject: [14754] KD7S on 30 meters  
 Message-ID: <Pine.0SF.3.94.970314223202.18332A-1000000@fly.HiWAAAY.net>

Hey Gang,  
 Can't believe it, just snagged Bill, KD7S on or around 10.105. It was at  
 0350z Friday night, tonight. I hear him about 0340z calling but there was  
 no takers and I couldn't get back to him. I have him a 229 and he gave me  
 a 329. He was using a NC38S at 5W and it sounded great, he is in Sanger,  
 CA. I am pretty sure that he is on the list, I've saw his call on here  
 before. I was using my Small Wonders Labs SW-30-40 at 2W. I love that  
 rig. Best 72 DE Matt, AE4JM

--  
 JCARC--ARCI 9178--ARRL--ARRL ORS--Ten Ten 66932--VP 2855--WAS  
 Matt Wright, ph. (205)228-6547, packet: AE4JM@K4BFT.#HSV.AL.USA.NA  
 email: cnw@HiWAAAY.net snail mail: 8679 Co. Rd. 19, Section, AL 35771  
 Rigs built: Ramsey mini rcvr-40mtrs, NC38S, SW30-40, NC49'er, NC40A with  
 KC1

From owner-qrp-l@Lehigh.EDU Sat Mar 15 18:05:00 1997

From: John Moriarity <k6qq@SOCAL.WANet.com>  
Subject: [14797] Keyer modes: A vs. B?  
Message-ID: <3.0.1.16.19970315145107.2e276ff8@SOCAL.WANet.com>

Hi Gang,

It seems that this subject comes up about once a year. A lot of the arguments sound more theological than practical.

Like Wayne, I just can't get the hang of Mode B. I have an old AEA Morsematic (Mode B) that I can only use if I turn the dash memory off!

My pet theory is that folks who learned to send with a bug (electromechanical keyer, sonny!) are more comfortable with Mode A. Those whose first effort with a keyer is electronic prefer Mode B. Any comments?

72,

John, K6QQ

k6qq@socal.wanet.com

From owner-qrp-l@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: "Phillip S. Rutledge" <rut@mcrut.mv.com>  
Subject: [14758] Mercury paddle  
Message-ID: <199703150702.CAA20476@bort.mv.net>

Hello all,

Anyone out there using the famous "Mercury" paddle by N2DAN? If so, I'd be interested in hearing any comments you may have about it.

Thanks & 73-- Phil (K1HS)

=====

Phil Rutledge--K1HS-- rut@mcrut.mv.com

ARCI#9265=Norcal#1797=N.E. QRP Club#489= QRP-L#820= CQC# 385

=====

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: roy lincoln <x5m7v7wl@coastalnet.com>  
Subject: [14792] New at Qrp-1  
Message-ID: <1.5.4.16.19970315143222.128fbe00@mail1.coastalnet.com>

Hi gang, i've been reading the mail here for the past 2-3 weeks and this is an interesting form of communications. However it will never take the place of more traditional forms that we relate to "amateur radio", at least for me. I am active on 30 meters with 950 milliwatts at present with the 30-40 from Nov.'94 QST. Also have a 40-40 built but not packaged yet. Other rigs include the SWL-160, 30 meter version of the NW-8020, Oak Hills Explorer II on 20 meters, GM-17, and an old T/T Century 21 which is the "big rig".

My main antenna is a 20 meter Lazy H at 35/65 feet oriented n/s. It works well on all bands from 40 to 10. Also have a 20-15-10 meter trap vertical @ 20 ft.

Have started seriously keeping score again and would like to work all states, continents and dxcc with 950 milliwatts on 30m. Started on Jan.21, 1997 (7 weeks ago) and the score is 36 states and 17 countries, so far. Not bad for casual Qrp'ing, but the applause goes to the antenna, an antenna that was popular long before many of us were born. (The antenna is the key to successful communications!)

If you need NC on 30 meters, give me a buzz or look for me on the air.

72/73 Roy Lincoln WA4DOU  
QRP ARCI#2330/NORCAL/NE-QRP/MICH.QRP

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: "Vic Blackwell" <blackwel@tlcnet.muohio.edu>  
Subject: [14773] NJ-QRP webb site???  
Message-ID: <9703151538.AA10471@tlcnet.muohio.edu>

Hi Gang,

Does anyone have the correct and latest webb site address for the NJ-QRP club? I have always been able to access, but starting yesterday I cannot get in. I thought I saw an address change here on the list, but I failed to note it.

Did I really see an address change?

Vic - AD8K

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: "Mark S. Adams" <msadams@acsu.buffalo.edu>  
Subject: [14753] No Fox BUT.....!  
Message-ID: <Pine.GS0.3.95.970314232557.20641A-100000@autarch.acsu.buffalo.edu>

The fox could not be heard here in WNY as the skip was just too long. But all of you guys west of the Mighty Mississippi were booming in here.

So what's a guy to do? Tune to 30M and work Ukraine, Sweden, Argentina and Costa Rica, that's what! All at 4W with the new/used B-Nut HF6V.

72, Mark N2VPK  
Member of the Buffalo QRP Connection

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: "Carol N. Wright" <cnw@HiWAAAY.net>  
Subject: [14780] NorCal 38 Special  
Message-ID: <Pine.OSF.3.94.970315102946.14582A-100000@fly.HiWAAAY.net>

Hey Gang,  
These little 38 Specials really sound great. I have worked my first two in the past two days. I worked KD7S last night, then this morning I worked KJ5TF, but the band fell out and I lost him. There was some QRM in there but he was making it just find until the QSB came.

I have to get my NC38S going now. I did the 5 watt mod, but only get out a few hundred milliwatts. Maybe the IRF510 is gone, or TC2 not tuned good enough. Also I have my 38S laying on the bench, I can be setting here without an antenna hooked up, just phones and a power jack hooked up, you can move the rig around and it starts are real loud static like noise. Maybe a loose earphone jack? I hope to get it going soon. Maybe it could be the caps I used in the 5 watt mod. It called for .1 mono caps, I don't have any so I used the larger .1 ceramic caps. Any ideas?  
Best 72 DE Matt, AE4JM

--

JCARC--ARCI 9178--ARRL--ARRL ORS--Ten Ten 66932--VP 2855--WAS

Matt Wright, ph. (205)228-6547, packet: AE4JM@K4BFT.#HSV.AL.USA.NA  
email: cnw@HiWAAY.net snail mail:8679 Co. Rd. 19, Section, AL 35771  
Rigs built: Ramsey mini rcvr-40mtrs, NC38S, SW30-40, NC49'er, NC40A with  
KC1

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: bisseks@churchill.srvusd.k12.ca.us (Barry Isseks)  
Subject: [14793] partial failure  
Message-ID: <199703152055.MAA17375@srvusd.k12.ca.us>

Thanks to the group for the help on my 38S debagle. Here's what happened  
and the resolution to this point:

First: The working 38S w/ 5watt mod/TICK mod went into a case. The routing  
of the power leads passed next to the hot Q2 case and the cheap insulation  
melted shorting the final to ground. The coil L101 literally burned up. I  
replaced to coil and final. No other components appeared damaged, however  
when I applied power in recieve Q2(final) temperature ran away. A bias  
voltage problem? but from where?

Ori AC6AN sent me a great doc on troubleshooting the S38, but voltages were  
hard to test with the final in place, so I applied power for very short  
bursts to take voltage readings. U4 pin 20 was down to 2 volts. I pulled  
VR1 and found the voltage output at 6.8 volts. In checking the circuit I  
thought maybe this was a nominal reading but when I replaced VR1, a solid  
8V came back, and a cool final as well.

I guess voltage regulators can partially fail or change value under this  
kind of stress. I assumed, incorrectly, that the device would either work  
or fail.

It could have been worse,it could have been U4 which is soldered in.

Now..... What frequency is it on is the question?.... that's next.

Barry  
K6ZA

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997

From: Mark Saunders <tracker@dancris.com>  
Subject: [14740] QRP Outing!!!  
Message-ID: <332A0596.4F0@dancris.com>

Okay Gang,

Here is the scoop. I've been asked to drive some cub scouts to the boy scout camp near Payson, AZ. I agreed only if I could bring my QRP XCVR and put up a dipole antenna in the trees. Everyone agreed! So beginning March 22 @ 0300z to 0700z (this is Friday evening) and again March 23 @ 0300z to 0700z (this is Saturday evening), I will be operating 80, 40 and 30 meters, 3.560, 7.040, 7.110 and 10.106 +- QRM/QSO. If I can get decent pictures of my operating position, I'll use prints as QSL cards.

Look for me, I'll be calling CQ at about 16-18 WPM, but will gladly QRS.

Best regards,

Mark Saunders -- KJ7BS  
Glendale, Arizona

<http://www.dancris.com/~tracker/tracker.html>  
tracker@dancris.com  
KJ7BS@KC7Y.AZ.USA.NOAM

FISTS # 2972 QRP-L # 1028

From owner-qrp-l@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: "Brian K. Short KE7GH" <ke7gh@primenet.com>  
Subject: [14790] Some Smoke Out, But Didn't Inhale  
Message-ID: <3.0.32.19970315185821.0068b6e0@mailhost.primenet.com>

Well, I must have let the smoke out of my 38s initially, but for the official record, I did not inhale...

Earlier I claimed that my 38s worked immediately upon application of power (which is true), but I built the entire thing with TiCK and 5w mods from the start, and THEN tested.

The first (very brief) application of power resulted in the IRF-510 getting warm. I checked the schematic and realized that I had cut the TiCK trace, but not the 5w power mod trace.



Anyway, I quickly cut the trace and applied the power for a much longer time and everything worked. I measured about 3.5w out on my Autek WM-1 meter 20w scale. I figured that it was not well calibrated that low.

I operated the 38s quite a bit, but meter now read 2w. Oh well. When I hooked up the QRP+, it read over 5w, so I started to gradually consider the possibility that I screwed up...

Probably just voltage drops or that series polarity protection diode, or...

Today, I replaced the 74HC240 (socketed) and the final (just in case) all without having to remove the board from the cabinet. Those TenTec cabinets are nice since the top and side panels come off easily.

Anyway, now 6w out. Guess I'll have to consider W5VB0's variable power mod now (though I just want 4w fixed output).

So again, I did let some smoke out, but I did NOT inhale.

FWIW, Brian ke7gh@qsl.net

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: Charlie Rubenstein <rubenc@iglou.com>  
Subject: [14770] Transistor substitute for LSP966?  
Message-ID: <332ABD4B.5A88@iglou.com>

I know this is not normal QRP related, but this rig \*IS\* only 2W UHF. hi.....

Can anyone find a transistor replacement for a LSP966 for me?

It is a PTT transistor in a Maxon data transceiver that Im building a mini repeater out of. It is stuck in transmit.

Charlie KB8BWE  
rubenc@iglou.com

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: QRPDave@aol.com

Subject: [14759] Tuning up my rigs

Message-ID: <970315021058\_-1003141861@emout19.mail.aol.com>

I have a great new friend (Chris, N3XRV) who is building a deluxe 40M receiver for me. (Can't wait to get my paws on this rig). I have a couple of questions, and as I am relatively new to the electronic biz, I need a simple, simple answer.

When I tune up a TX (a separate rig), I can use my RS frequency counter to determine a desired frequency. I have a TX/RX switch made to interface the TX and the RX. Here lies my question. How do I tune in the RX to the same frequency as the TX? I have a MFJ HF SWR Analyzer Mod. MFJ-207. Do I "dial in" the same frequency and will it put out a tone on a small jerry rigged antenna and then tune in the RX to that tone? Somehow I know that hams have been doing this for centuries, and that there must be some simple way to do it, but the possibilities escape me. Can anyone answer what for me is a thorny question?

Thanks, guys and gals, you're a great bunch.

QRPDave@aol.com

or

QRPDave@ocsnet.net

Man, it is true, must surely be

A portrait of stupidity.

For man, despite his knowledge and wealth

Hasn't learned to life with himself.

From owner-qrp-l@Lehigh.EDU Sat Mar 15 18:05:00 1997

From: svecbrdk@well.com (L.Svec,W.Burdick)

Subject: [14786] Update on EE20/NorCal 40a info, plus: off to ZL-land!

Message-ID: <199703151815.KAA23631@smtp.well.com>

If the first two hours of Saturday morning are any indication, I think the professor might have a best-seller on his hands. I'm receiving way too many messages to reply to each one, but I will definitely pass on your comments to Prof. Rutledge.

Many of you have asked that the price on the course book be kept low, perhaps a bit more reasonable than the usual college text :) As of now I have no idea what the price might be, but perhaps the school would be able to put together a special group price on it.

Several of you have also observed that some NorCal 40A's built by the students may go begging for use--perhaps could be sold as "Caltech Lab-Built" '40As at a low price ;) Sorry, folks, the prof informs me that the students keep their radios, if only as a reminder of all the hard work they did in the class. And besides, they do not necessarily build the

entire radio. Caltech purchases the PC boards from Wilderness, buys the parts from their own suppliers, and has the students build the rigs "open-face" with no box. This is the only way they could do it economically (fortunately, the '40A uses readily available parts).

A number of the messages were from people in the education field, commenting that the EE20/40A concept might be applied to other universities and even in other disciplines. Sounds like Prof. Rutledge is on to something!

As for me, I'm off to New Zealand for two weeks! No radio, no computer, just my wife Lillian and me and a break from modern life. I'll be back around the beginning of April, just in time to do taxes :(

Please send all of your comments about the EE20/40A book to me, and not to Professor Rutledge.

73,  
Wayne

From owner-qrp-l@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: "Wilford D. Lindsey" <70511.3041@CompuServe.COM>  
Subject: [14741] Whew!!!-But FOX Success  
Message-ID: <970315022018\_70511.3041\_IHD84-1@CompuServe.COM>

Dean:

What a dogfight it was--but thanks for digging me out of the QROers and heterodynes! Couldn't believe the QRM, but there you were, doing a great job with it. Sounds like you were making plenty of QSO's, too. Heard lots of guys calling you right after we signed.

Sorry all I could give you was the 339. In fact within only 7-8 minutes you were briefly up to about 559, though there was QSB and you quickly dropped back down to 449 here.

Anyway, thanks for hanging in there, Dean. It was a thrill to finally work my first FOX in the northeast. Thanks also for serving as our FOX.

72/73,  
--Doc/K0EVZ QRP-L 861 MN-QRP 19 NJ-QRP 69 AK/QRP 139 CQC Norcal ARRL

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: Mike P <73571.3404@CompuServe.COM>  
Subject: [14755] WM2 OHR wattmeter  
Message-ID: <970315050410\_73571.3404\_FHD58-1@CompuServe.COM>

I was thinking of buying this watt meter and a auto tuner and I was wondering what some of you think of the wm2. Mike

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: bisseks@churchill.srvusd.k12.ca.us (Barry Isseks)  
Subject: [14732] Re: 38 Special audio osc.  
Message-ID: <199703150028.QAA13796@srvusd.k12.ca.us>

>  
>From:bisseks@srvusd.k12.ca.us (Barry Isseks)  
>Subject:Re: 38 Special audio osc.  
>  
>>>Jim W6JHB wrote:  
>>>Tony - very interesting hearing about that low-level tone you are  
>>>experiencing.  
>  
>My 38S had a similar tone but became apparent with volume up. I needed the  
>audio level up almost all the way to hear the band anyway, so effectively it  
>was there all the time. Notice past tense, since the radio blew up yesterday  
>when the power lead melted to the heat sink of Q2. I'm looking for help to  
>troubleshoot it now.  
>  
>Best of luck  
>  
>Barry K6ZA

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: mdwatt@usit.net (Marty Watt)  
Subject: [14796] Re: 38 Special help -- no recieve audio  
Message-ID: <332b2620.155538438@smtp.usit.net>

On Sat, 15 Mar 1997 21:03:23 GMT, mdwatt@usit.net (Marty Watt)  
wrote:

>The NE 602's arrived today, and I anxiously plugged them in, turned  
>on the rig, and voila ... absolutely no audio. I have no idea why.  
>Voltages look fine except for the 74HC240. Voltages on that device  
>are as specified in Paul's (NA5N) Voltage chart, except:

>  
>Pin 1 -- 7.9 V  
>Pin 11 -- 0 V  
>Pin 13 -- 7.9 V  
>Pin 15 -- 0 V

Additional information: D4 and D5 have 8.2V on each end. (The  
regulator is running at 8.2V out, measured at C41).

Paul's chart shows these at 5.7V either end.

72 es 73 de=20  
Marty, KM7W

-----  
Jackson, Tennessee e-mail: mdwatt@usit.net  
http://www.public.usit.net/mdwatt  
"The Curmudgeon's Corner"  
NorCal #???? - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq  
~~~~~

From owner-qrp-l@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: mdwatt@usit.net (Marty Watt)  
Subject: [14799] Re: 38 Special help -- no recieve audio  
Message-ID: <332d295c.156366684@smtp.usit.net>

On Sat, 15 Mar 1997 22:48:08 GMT, mdwatt@usit.net (Marty Watt)  
wrote:

>On Sat, 15 Mar 1997 21:03:23 GMT, mdwatt@usit.net (Marty Watt)  
>wrote:  
>  
>>The NE 602's arrived today, and I anxiously plugged them in, turned  
>>on the rig, and voila ... absolutely no audio. I have no idea why.  
>>Voltages look fine except for the 74HC240. Voltages on that device  
>>are as specified in Paul's (NA5N) Voltage chart, except:  
>>  
>>Pin 1 -- 7.9 V  
>>Pin 11 -- 0 V

>>Pin 13 -- 7.9 V  
>>Pin 15 -- 0 V  
>  
>Additional information: D4 and D5 have 8.2V on each end. (The  
>regulator is running at 8.2V out, measured at C41).  
>  
>Paul's chart shows these at 5.7V either end.

Sorry, folks, this is the electronic version of "thinking out loud"  
--

The schematic shows pin 6 of U3 NE602 driving the inputs (pins 1 and 13) of the 4066 (U2). Paul's measurements indicate a voltage drop from the output of pin 6 of U3 (roughly 8V, or regulator voltage) to 5.7V at pins 1/13 of U2. I suppose I'm beginning to suspect the diodes in-between those devices -- I can't find any other voltage-limiting devices in between. Those diodes are D6 (which has 0v cathode and 8.0V anode, and isn't listed in Paul's chart), and D4/D5, the outputs of which are listed above.

Perhaps D6 is shot? It's a 1N914 diode, just like D4/D5.

72 es 73 de=20  
Marty, KM7W

-----  
Jackson, Tennessee e-mail: mdwatt@usit.net  
http://www.public.usit.net/mdwatt  
"The Curmudgeon's Corner"  
NorCal #???? - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq  
~~~~~

From owner-qrp-l@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: mdwatt@usit.net (Marty Watt)  
Subject: [14800] Re: 38 Special help -- no recieve audio (errata)  
Message-ID: <332e2e97.157705915@smtp.usit.net>

On Sat, 15 Mar 1997 23:09:46 GMT, mdwatt@usit.net (Marty Watt)  
wrote:

>voltage-limiting devices in between. Those diodes are D6 (which has  
>0v cathode and 8.0V anode, and isn't listed in Paul's chart), and  
>D4/D5, the outputs of which are listed above.

Correction -- D6 shows 8.2V both ends (same as supply voltage).

I'm terribly sorry for the bandwidth, folks. My "bench" is the kitchen table, my computer is in the dining room. Hazards of living with the in-laws ...

72 es 73 de=20  
Marty, KM7W

-----  
Jackson, Tennessee e-mail: mdwatt@usit.net  
http://www.public.usit.net/mdwatt  
"The Curmudgeon's Corner"  
NorCal #???? - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq  
-----

From owner-qrp-l@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: ori@juno.com (Ori K Mizrahi-Shalom)  
Subject: [14761] Re: A "Good" Mobile Antenna - Results-TKS!  
Message-ID: <19950314.231834.4415.7.ori@juno.com>

> BTW...I've decided to grab a hamstick for convience sake...and then  
> build a bugcatcher for 40m...any construction suggestions or info on  
> this would be greatly appreciated!!

Lakeview, the manufacturer of those Hamsticks, has a variant called the "Carolina Bug Catcher", not unlike the Texan one...  
It's basically a 20M Hamstick cut at 3/4 and a coil added at that point. You can vary the inductance by moving an alligator clip on the coil. Shouldn't be a big deal to do-it-yourself'ers.  
This antenna is flexible and has a very narrow profile, so the wind loading is not a major problem.  
It can be mounted on a trunk with two dacron "guy" wires supporting it against a high-speed wind. Lakeview sells a matching transformer, for those interested, but other matching methods should work too.  
Another variant to this theme is a modified 40M Hamstick with a mid coil. The bottom helical portion of this 'stick is very lossy, so the fellow replaced it with an RG-8 braid. This reduces the loss, ups the Q and narrows the bandwidth... can't win them all.  
Expect 20 KHz usable bandwidth on 40M with such a setup.  
One more detail. Many have recommended a "capacitive hat" for the bug catcher. For the Hamstick type, just solder 5" thick copper wire to the whip, 8-10" from the top. This wire should extend out backwards.  
A good ground connection is required. On 10M, capacitive coupling to the body might work, but I haven't heard anybody recommending this for 40M.  
Top roof installation on a roof rack should be easy to do, but make sure

you clear trees, garage doors and bridges wherever you go...  
Like all antenna work, these are just guidelines. Your milage may vary,  
depending on the amount of sweat you put into it!

73

ORI AC6AN

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: w77kxb@juno.com (William Harris)  
Subject: [14734] Re: Backpacking Antennas  
Message-ID: <19970314.175453.8671.3.w77kxb@juno.com>

How about an end fed wire against a counterpoise? Works great for me.  
Bill, W7KXB said that.

On Fri, 14 Mar 1997 22:49:11 -0800 "Bradley S. Mitchell"  
<bmitchel@kodak.com> writes:  
>Any great ideas out there for backpacking  
>antennas?  
> For 80/40 meters, I think that an rg-174-U  
>coax fed dipole would probably be fine, but are there any other  
>nifty light weight ideas out there that we might be able to  
>take advantage of?  
>  
> Previously as De-Maw stated in his qrp notebook, I have  
>used the RG-174U with magnet wire, and buttons for insulators.  
>  
>This works great. What other ideas are out there?  
>  
>  
> 73 Brad WB8YGG  
>  
>

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: Joe Everhart <n2cx@voicenet.com>  
Subject: [14748] Re: Backpacking Antennas  
Message-ID: <199703150326.WAA27030@mail3.voicenet.com>

Brad,

You queried about ideas for backpacking antennas. I am, of



course rather partial to lightweight dipoles fed with small coax (like the PVC Gusher-II), but lately I've been focussing on another option.

An end-fed half-wave antenna is even lighter than the dipole because it has no long coax feedline. You do need a tuner and a counterpoise, though they can be simple. The tuner can be a very simple one like the Rainbow. and the counterpoise can be a very unsophisticated 1/4 wave wire.

The Rainbow pc board weighs less than 2 oz and even when mounted in an Altoids tin, with a 12 volt lighter battery comes in at about 4 oz. The small diameter hookup wire and pvc pipe section insulators wire tip the scales at under a half pound and fit in a small zip-lock bag.

For 40 or 80, the wire can be as efficient as a dipole when erected as an inverted vee or even better, a sloper.

Check the next issue (April but no April fool!) of the NEQRP newsletter 72 for an article on the EFHWA (End Fed Half Wave Antenna).

And you will \*hear\* one in QRP To The Field!

72/73,

Joe E., N2CX

from Southern New Jersey, y'all

work: jeverhart@cayman.vf.mmc.com  
home: n2cx@voicenet.com

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: Cecil A Moore <Cecil\_A\_Moore@ccm.ch.intel.com>  
Subject: [14756] Re: Backpacking Antennas

>From: "Bradley S. Mitchell" <bmitchel@kodak.com>  
>Any great ideas out there for backpacking  
>antennas? 73 Brad WB8YGG

Hi Brad, here is what I consider a great idea for backpack antennas. 102 ft dipole with whatever length of 300 ohm ladder-line that you want to carry. It will work for any HF band but should be tuned ahead of time.

For any HF band, there is a place on the ladder-line close to the antenna that will result in a 1:1 SWR when a parallel capacitor is added. There is a second place close to the transmitter that will result in a 6:1 SWR when a parallel capacitor is added. Why would one want to do that? Because a 6:1 SWR will transform the 300 ohms to a perfectly resistive 50 ohms. Put a 1:1 current balun/choke between the ladder-line and the coax and one has a perfectly matched antenna.

It's called the double stub matching technique. Is anybody interested in the details?

73, Cecil, W6RCA, 00TC

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: jayboy@psnw.com (Jay & Jackie)  
Subject: [14766] Re: Backpacking Antennas  
Message-ID: <199703151352.FAA22858@sierra.psnw.com>

At 10:03 PM 3/14/97 PST, Cecil A Moore wrote:

>

>For any HF band, there is a place on the ladder-line close  
>to the antenna that will result in a 1:1 SWR when a parallel  
>capacitor is added. There is a second place close to the  
>transmitter that will result in a 6:1 SWR when a parallel  
>capacitor is added. Why would one want to do that? Because  
>a 6:1 SWR will transform the 300 ohms to a perfectly resistive  
>50 ohms. Put a 1:1 current balun/choke between the ladder-  
>line and the coax and one has a perfectly matched antenna.

>

>It's called the double stub matching technique. Is anybody  
>interested in the details?

>

Cecil,

Sounds like what I have been looking for...Can I be first in line for the details? Just bought an Autek Ant Analyzer, will that help me, and where are those magic spots for the capacitors?....Would like to use my QRP LDG tuner to my Sierra in the field.

Thanks for the offer.

Jay, W6JDB

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: Jess Gypin <jessqrp@concentric.net>  
Subject: [14772] Re: Backpacking Antennas  
Message-ID: <332ABF4C.74B0@concentric.net>

Cecil A Moore wrote:

>  
> >From: "Bradley S. Mitchell" <bmitchel@kodak.com>  
> >Any great ideas out there for backpacking  
> >antennas? 73 Brad WB8YGG  
>  
> Hi Brad, here is what I consider a great idea for backpack  
> antennas. 102 ft dipole with whatever length of 300 ohm  
> ladder-line that you want to carry. It will work for any  
> HF band but should be tuned ahead of time.  
>

> 73, Cecil, W6RCA, OOTC

Hi all,

I am not a backpacker, but, as Cecil has suggested, I have tried several antennas camping. I currently have only two that I use. I have tried a resonant dipole, a long wire with a counterpoise wire, a half square, and the two that I now carry. One is the SLV with the "N0TFI coil". This is similar to the mod where you add a PVC coil wound with wire except that the coil is made from foam pipe insulation wrapped with tinned coil wire on the lower section. I can find a match with a jumper wire on any band from 80-10 meters and it works! With the right coil tap position, the SWR is about 1.2-1 and the Z is about 44 ohms, so I know that it is working. I have worked all over the world with this set up. The other antenna that I would take with me if I could have only one is the one that Cecil suggests above. The location that I have done most of my antenna testing from "camping" is up at the cabin at the YMCA camp in Estes Park that we go to a couple of times a year. I string about 100 feet of 18 ga speaker wire fed with 300 ohm twin lead to

a QRP tuner. I don't worry about the "matching" with the tuner. This antenna works  
FB on  
80 meters and far exceeds the dipoles and long wires that I have used.  
Whether the  
antenna is 20 feet up or 80 feet up, it hears and works well. Using the small  
speaker  
wire and light weight 300 ohm twin lead, the whole thing rolls up in a package  
that is  
very small and light, will fit in a baggy and coat pocket.  
This just aligns right with the old rule of antennas that you just put up as much  
wire  
as you can as high in the air as you can get it and feed it with as low a loss  
line as  
possible, get on the air and have fun!  
I would say that if you are going single band, take a resonant dipole and leave  
the  
tuner at home. If you are going to work multiple bands, get yourself a nice little  
tuner  
like Emtech's Z match and take a 100 + foot wire and have fun!

Best  
Jess N0TFI  
<http://www.concentric.net/~jessqrp>

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: Bob Kellogg <ae4ic@nr.infi.net>  
Subject: [14778] Re: Caltech and the NorCal 40A: New EE20 Curriculum!  
Message-ID: <199703151629.LAA06552@mh004.infi.net>

>To: svecbrdk@well.com  
>From: Bob Kellogg <ae4ic@nr.infi.net>  
>Subject: Re: Caltech and the NorCal 40A: New EE20 Curriculum!  
>  
>At 11:31 PM 3/14/97 -0800, you wrote:  
>After much discussion with myself and Bob Dyer at Wilderness,  
>Prof. Rutledge concluded that the NorCal 40A could be used  
>effectively as a teaching tool.  
> Nearly 100 transceivers later, the NorCal 40A is now the  
>official course project for the Caltech EE20 class, "The  
>Electronics of Radio."

Wayne, what a tremendous boost for ham radio, QRP, Wilderness Radio,  
and you. Most importantly, it's a boost for the many students who will  
learn hands on what it is to turn electronic theory into a product.  
Congratulations!!

I would be interested in one of the texts, unless it is priced out of this world, as many college books are these days.

CUL,  
Bob Kellogg, AE4IC, Greensboro, NC  
Prolably, but not nececelery. - Benny Hill

From owner-qrp-l@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: Bob Hightower <ki7mn@dancris.com>  
Subject: [14743] Re: Dean - are you OK?  
Message-ID: <199703150224.TAA29911@dancris.com>

At 02:32 PM 3/14/97 EST, you wrote:

>>> As amazing as it might seem, it  
>>> is possible that Dean doesn't consider Fox Hunting and QRP the major  
>>items in  
>>> his life.  
>>  
>>My XYL has the same problem.  
>>  
>>Vic K2VCO  
>>  
>>  
>  
>Ya know, I didn't think I had that problem, but when I  
>told her that next week was the last Fox for the season,  
>I swear I heard her mumble something like ..it's about time  
>or something like that! hehe  
>  
>

I must be one of the most fortunate guys around, because when it's fox nite, my wife always asks if I caught him, and, if not, actually commiserates!

73,

Bob, KI7MN Chandler, AZ ScQRPion QRP-L #271, NorCal #1228, CQC #274, QRP  
ARCI #8918, AK QRP #30, not in any order of importance.

<http://www.dancris.com/~ki7mn>

From owner-qrp-l@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: Mike Duke <gmduke@oscar.teclink.net>  
Subject: [14757] Re: FCC Fines

Message-ID: <Pine.GS0.3.95.970315000727.23320K-100000@oscar.teclink.net>

Sounds like a great idea to me.

73, de K5XU

Mike Duke,  
Jackson, MS

On Fri, 14 Mar 1997, Ron Giuntini wrote:

> I "just read" where the FCC is going to impose heavy fines for starting  
> stupid rumors. (OOPS)  
> Ron, KB6GK  
>  
>  
>  
>

From owner-qrp-l@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: Dave.Ackrill@westwood45.powergen.co.uk  
Subject: [14764] RE: FCC to license computers  
Message-ID: <970315123530Z\*/G=Dave/S=Ackrill/O=westwood45/PRMD=POWERGEN/  
ADMD=CWMAIL/C=GB@MHS>

Don't tell me, the proposal for the fee was issued on 1st April, or  
you read it in the April edition of a magazine?

Why do the words "You've been had" spring suddenly to mind HI!

There's one in the UK magazine called Practical Wireless about using a  
laser as an aerial and how it disturbs the bats in the authors local  
clock tower.

Wonder what will appear on here on the 1st of April?

Regards - Dave (G0DJJA)

From owner-qrp-l@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: NJBIRDMAN <jsielke@pobox.com>  
Subject: [14744] Re: Fox is getting ready  
Message-ID: <v03020900af4fb6a122f7@[206.106.174.44]>

>OK Hounds,

>

>Just had some dinner and am getting things set for the hunt. First, need  
>to put on the UTC watch, (just kidding) and check for the 0100 start. Ready  
>in about one hour.

A Fox right here in NJ, and here I am at work. Maybe next year I will try  
sneaking in an SST.....

Good luck Dean, uphold the honor of old NJ. Show those Texans and  
Californicators how it's done!!

```

      John L. Sielke n4js@amsat.org  n4js@pobox.com
      n4js@n4js.ampr.org  NJ Grid:FM29LN
      http://www.pobox.com/~n4js      NJ-QRP #57
      QRP-L #884  QRP-ARCI #9328 NE-QRP #507
      G-QRP #9544  Norcal #????  QCWA Life Member

```

From owner-qrp-l@Lehigh.EDU Sat Mar 15 18:05:00 1997

From: wd4et@juno.com

Subject: [14747] Re: Fox on the run

Message-ID: <19970314.221913.4470.1.wd4et@juno.com>

Dean had a great signal down here in Florida when the AGC on my FT-840  
wasn't over powered by RTTY and SSB.

72, Jeff WD4ET

From owner-qrp-l@Lehigh.EDU Sat Mar 15 18:05:00 1997

From: "DANIEL DOBSON" <DAN DOBSON@msn.com>

Subject: [14768] RE: I love CW because...

Message-ID: <UPMAIL02.199703151452420572@msn.com>

A few years ago I read somewhere an expression that sums it up for me...  
Communicating using CW lets me and like-minded individuals "bark at the moon"  
in a technical way...Cheap therapy, don't you think?

-----  
From: owner-qrp-l@Lehigh.EDU on behalf of Steve/n0tu  
Sent: Friday, March 14, 1997 4:33 AM

Subject: Re: I love CW because...

HOWARD A FRIEDMAN wrote:

>  
> Hi Gang, I am seeking the help of CW lovers on QRP-L. I have written a CW  
> learning guide for my club and would like to include some feelings on the  
> part of some of you folks on the subject of:  
>  
> "Why I like to operate CW", or

I Love CW Because...it clears the cobwebs out of my head... and once I  
warm up to the rhythm I feel like I'm soloing on a musical instrument  
in the band...after which I feel really feel upbeat! 8^)

-----  
"Just doing it" - Havin'a blast buildin'& usin'QRP gear that is...  
n0tu/hw8/49er/SW40/38s/solar/backpack-mobile... QRP-L # 911  
My homepage - <http://www.webaccess.net/~S&P> ARS# 206 CQC# 394

From owner-qrp-l@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: Bill Walker <bwalker@newwave.net>  
Subject: [14775] Re: Impaired Antenna Knowledge /Questions  
Message-ID: <332ACC36.15D0@newwave.net>

Steve/n0tu wrote:

>  
> Cecil A Moore wrote:  
> >  
> > >From: "Bradley S. Mitchell" <bmitchel@kodak.com>  
> > >Any great ideas out there for backpacking  
> > >antennas? 73 Brad WB8YGG  
> >  
> > Hi Brad, here is what I consider a great idea for backpack  
> > antennas. 102 ft dipole with whatever length of 300 ohm  
> > ladder-line that you want to carry. It will work for any  
> > HF band but should be tuned ahead of time.  
> >  
> > For any HF band, there is a place on the ladder-line close  
> > to the antenna that will result in a 1:1 SWR when a parallel  
> > capacitor is added. There is a second place close to the  
> > transmitter that will result in a 6:1 SWR when a parallel  
> > capacitor is added. Why would one want to do that? Because  
> > a 6:1 SWR will transform the 300 ohms to a perfectly resistive  
> > 50 ohms. Put a 1:1 current balun/choke between the ladder-  
> > line and the coax and one has a perfectly matched antenna.



```

> >
> > It's called the double stub matching technique. Is anybody
> > interested in the details?
> >
> > 73, Cecil, W6RCA, 00TC
>
> Hello Cecil...I've read several of your postings on this
> concept...sounds like a great idea. However, my knowledge about antennas
> is impaired as you can see from the questions I ask below!
>
> 1. I like the idea of using 300 ohm twinlead because it's lightweight
> and easy to handle in and out of the pack...I've been using it with
> simple CLC tuner w/SWR meter...works great. However, I would love to
> leave that 30 oz. tuner at home on the bench! Will the 300 ohm feedline
> (twinlead, non-open wire) work with your idea as opposed to the open
> wire ladderline (I sure haven't seen much of this stuff around lately
> with all the cable/satellite systems going in)?
>
> 2.Does it matter how long or short ur 50 ohm coax is...say you used only
> a 5' piece of coax? and 40'or so of twinlead? How do determine the where
> the cap goes and won't it change with frequency and the environmental
> surroundings.
>
> 3.What is a 1:1 current balun/choke?
>
> 4.Is this configuration similar to the G5RV?
>
> 5.Finally, I usually only operate one band/one rig during an outing so
> this concept is very appealing...If I understand your idea it's as
> follows:
>
>
>          < 102' wire >
> -----
>          ||
>          ||
>          || < 300 ohm twinlead (?)length
>          ||
>          \\\
>          //
>          \\\
>          / \
>          / \
>          -||- cap accross feedline
>          \ / at the magic spot?
>          ||
>          \\\
>          \\\ 50 ohm coax any length?
> choke balun? +===== rig

```

>  
> Thank for more details please...Steve  
> -----  
> "Just doing it" - Havin'a blast buildin'& usin' QRP gear that is...  
> n0tu/hw8/49er/SW40/38s/solar/backpack-mobile... QRP-L # 911  
> My homepage - <http://www.webaccess.net/~S&P> ARS# 206 CQC# 394

Steve:

I wonder if that magic capacitor could be a varibale so the line could be tuned on the fly?

Bill

NK8Y QRP #4103

From owner-qrp-l@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: Ed Tanton <n4xy@avana.net>  
Subject: [14762] Re: Mercury paddle  
Message-ID: <3.0.1.32.19970315030452.009629f0@tiger.avana.net>

Hi Phil... I have tried my best to find a paddle anywhere close to my Mercury paddle to no avail. Nothing has come close!  
72/73

Ed Tanton N4XY EMAIL: n4xy@avana.net TEL: (770)579-3933 V/MBX/FAX  
189 Pioneer Trail  
Marietta, GA 30068-3466

QRP-ARCI#7663 G-QRP#6779 OK-QRP#172 QRP-L#758 AdvRC#140  
NORCAL#1779 NCDXF SEDXC

Life Member: ARRL AMSAT IDRA INDEXA QCWA  
URL: Coming Sooner or Later

"Think you can, think you can't: either way you're right!" Henry Ford

From owner-qrp-l@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: jayboy@psnw.com (Jay & Jackie)  
Subject: [14767] Re: Mercury paddle  
Message-ID: <199703151409.GAA23540@sierra.psnw.com>

At 02:02 AM 3/15/97 -0500, Phillip S. Rutledge wrote:

>Hello all,

>

> Anyone out there using the famous "Mercury" paddle by N2DAN? If so, I'd

>be interested in hearing any comments you may have about it.

>

>Thanks & 73-- Phil (K1HS)

Phil:

I hocked the XYL's jewelery and bought one last year. I'm telling you it is a work of art and beauty. Sending with it compares only to driving a Mercedes (don't have one), sex (well, maybe not) or any other fine thing in life. The chrome is outstanding, the magnetic tension and contact adjustments are so fine that I can adjust the spacing to a place where I don't feel the paddle making contact. Have a Bencher, and Kent sitting next to it (not too close, don't want any dings), transitioning from one to the other is the real test. Also had the switches for the Keyer mounted on it as an option(also chrome), but I find I don't use them all that much.

Bottom line: It's a step or two above tapping two bare wires together.

Jay, W6JDB      Madera, CA      Mercury #243

From owner-qrp-l@Lehigh.EDU Sat Mar 15 18:05:00 1997

From: Goemans <jgoemans@facstaff.wisc.edu>

Subject: [14787] re: Mercury paddles...

Message-ID: <199703151832.MAA95226@audumla.students.wisc.edu>

Hi gang,

I don't have a set yet, but...

I was driving around northern Il. last winter, with my 40 mtr NN1G mk2 and a gel-cell sitting on passenger seat, my Ten Tec mobile whip on the trunk mount, not hearing much, called CQ, who should answer me but N2DAN !!!! I was too rattled to ask what kind of key he was using !

72, Paul

Paul R Goemans WA9PWP

1508 Sundt Lane

Stoughton, Wi. 53589-1069

608-877-4151

QRP ARCI 7291    NorCal 1226    QRP-L 127    FISTS 2153

From owner-qrp-l@Lehigh.EDU Sat Mar 15 18:05:00 1997

From: Dave.Ackrill@Westwood45.powergen.co.uk

Subject: [14765] Re: Mizuho radios

Message-ID: <970315133546Z\*/G=Dave/S=Ackrill/O=Westwood45/PRMD=POWERGEN/  
ADMD=CWMAIL/C=GB@MHS>

Mizuho rigs were sold over here for a while and sometimes come up on the second-hand market.

I did see that there was someone who bought a 20M Mizuho and then advertised it for sale again after about 6 months. Never had one myself so can't comment on how good they are.

Cheers de Dave (G0DJA)

From owner-qrp-l@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: Charlie Rubenstein <rubenc@iglou.com>  
Subject: [14774] Re: Nishi Musen radios  
Message-ID: <332AC838.42E1@iglou.com>

David Feldman wrote:

> and a little company Nishi Musen makes SSB hand-  
> helds for 144 and 430 MHz (1 watt each) and associated 2->1296 MHz transverter  
> (0.1 watt). Neither product is available in US, but all are current  
> production in Japan.  
> the Nishi Musens (NTS-200, NTS-700, NUC-1200) are in the  
> JPY 30000-35000 range and require crystal changes to get into the US bandplan.  
>  
> All of this is fairly recent information, based on a trip I made to JA  
> in late January 1997.  
>

I'd really like to find out more about these Nishi Musen radios. They would be GREAT for weak signal, or portable satellite work.

Charlie

From owner-qrp-l@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: "Vic Blackwell" <blackwel@tlcnet.muohio.edu>  
Subject: [14781] Re: NJ-QRP webb site must have troubles  
Message-ID: <9703151706.AA13858@tlcnet.muohio.edu>

I,m back gang,

I had the correct address all along it seems. Everyone came back with the

address I have been using. But I still can't get in.

I was wondering if someone else could check and see if they are having the same bad luck as I.

Thanks again, as always. Best list on planet Earth.

Vic AD8K

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: Joe Everhart <n2cx@voicenet.com>  
Subject: [14776] Re: NJ-QRP webb site???  
Message-ID: <199703151625.LAA08728@mail3.voicenet.com>

At 10:38 AM 3/15/97 -0500, you wrote:

>Hi Gang,

>

>Does anyone have the correct and latest webb site address for the  
>NJ-QRP club? I have always been able to access, but starting  
>yesterday I cannot get in. I thought I saw an address change  
>here on the list, but I failed to note it.

>

>Did I really see an address change?

>

>Vic - AD8K

>

Vic, yes, we do have a new name:

<http://www.njqrp.org>

Check it out, it's new and improved!

72/73,

Joe E., N2CX

from Southern New Jersey, y'all

work: jeverhart@cayman.vf.mmc.com  
home: n2cx@voicenet.com

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: "Carol N. Wright" <cnw@HiWAAAY.net>  
Subject: [14777] Re: NJ-QRP webb site???  
Message-ID: <Pine.OSF.3.94.970315102016.8881B-100000@fly.HiWAAAY.net>

Hey Vic and Gang,  
I think that the new address for the NJ-QRP club is:  
<http://www.njqrp.org>  
I think that this is how I got in the last time. Hope this helps.  
Best 72 DE Matt, AE4JM

--  
JCARC--ARCI 9178--ARRL--ARRL ORS--Ten Ten 66932--VP 2855--WAS  
Matt Wright, ph. (205)228-6547, packet: AE4JM@K4BFT.#HSV.AL.USA.NA  
email: cnw@HiWAAAY.net snail mail:8679 Co. Rd. 19, Section, AL 35771  
Rigs built: Ramsey mini rcvr-40mtrs, NC38S, SW30-40, NC49'er, NC40A with  
KC1

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: n4js@amsat.org  
Subject: [14782] RE: NJ-QRP webb site???  
Message-ID: <XFMail.970315120826.n4js@amsat.org>

On 15-Mar-97 Vic Blackwell expounded:

>Hi Gang,  
>  
>Does anyone have the correct and latest webb site address for the  
>NJ-QRP club? I have always been able to access, but starting  
>yesterday I cannot get in. I thought I saw an address change  
>here on the list, but I failed to note it.

>  
>Did I really see an address change?

>  
>Vic - AD8K

>  
>  
<http://www.njqrp.org> (BUT, I wasn't able to get in last night either. Server  
might be down.)

Sent at 12:08:25 on 15-Mar-97

John L. Sielke n4js@amsat.org n4js@pobox.com  
| \ | | | | \_ | | / \_ | n4js@n4js.ampr.org NJ Grid:FM29LN

| .` ||\_ \_|| || |\\_ \      <http://www.pobox.com/~n4js>  
|\_| \\_| | | \\_/ |\_/ NJ-QRP #57 QRP-L #884 QRP-ARCI #9328  
NE-QRP #507 G-QRP #9544 NorCal QCWA FISTS #2781

From owner-qrp-l@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: Raventhorne <jelder@ix.netcom.com>  
Subject: [14738] Re: QRN Squasher  
Message-ID: <2.2.16.19970314174532.3bbfe1e4@popd.ix.netcom.com>

At 11:28 PM 3/13/1997 EST, CHARLES K BROWN wrote:

>qrn.txt  
>Subject: Re: QRN Squasher  
>  
>QRN Squasher  
>Background info: June 1996 and December 1996 CQ Mag.  
>Also Feb. 1997 CQ Mag. "The S.E.M. Mark -II QRM Eliminator" p. 42  
>  
>(ANC-4) also NIR-12  
>  
>S.E.M. products

I wonder how well any of these products would solve my QTH problem. I have a set of high voltage power mains running along the property line of my 50 x 100 foot lot. We're about a mile inland from the ocean. I can rarely hear more than one or two signals on 40m and 80m is just noise and nothing else.

This is what originally interested me in QRP--the chance to escape the line noise.

0.73,

John

@~~~~~

@ John Elder, K06TS - King Of 6 Tiny States, ex: KD6HSK, N5FFH, WB6UWL, WN6UWL

@~~~~~

From owner-qrp-l@Lehigh.EDU Sat Mar 15 18:05:00 1997  
Message-Id: <199703140658.VAA09064@calvino.alaska.net>  
From: Kyle Sandel <sandelkw@Alaska.NET>  
Subject: Re: QSO Party Questions

At 17:05 3/13/97 -0900, you wrote:

>Hi Kyle,

>  
>Are the submittal forms for the contest available? On line on the home  
>page? Could they be put on the home page?  
>  
>Will you accept inputs via email or do you prefer via USPS?

Hi Jim,

No specific form is required. A copy of your log on paper or by e-mail is fine. It should include the following:

Callsign  
Date/Time  
Band  
Mode  
Ak City or US State or DX Country  
Claimed Score

Hope this answers your question.  
73.

-----  
Kyle Sandel AL7J  
sandelkw@alaska.net

-----6A883E763A9D--

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: "Carol N. Wright" <cnw@hiwaay.net>  
Subject: [14730] Re: Schematics for Pixie II Transciever?  
Message-ID: <Pine.OSF.3.94.970314180712.22001C-100000@fly.HiWAAY.net>

Hey Mark and Gang,  
I'm don't know about you that use a text only terminal program or browser,  
but if it wasn't for Mark posting the schematics and info on the Pixie II  
transciever, I wouldn't have the schematic for the rig. So thanks to you  
Mark, I'm fixing to sort through my junk box and see what other parts I  
need for my rig. I'll probably have to make a run to Radio Shack or  
something, I don't think that I have some of the inductors. I'll have to  
look. So thanks a lot Mark. I'll keep you posted on my Pixie II. Thanks  
a lot. Best 72 DE Matt, AE4JM

--  
JCARC--ARCI 9178--ARRL--ARRL ORS--Ten Ten 66932--VP 2855--WAS  
Matt Wright, ph. (205)228-6547, packet: AE4JM@K4BFT.#HSV.AL.USA.NA



email: cnw@HiWAAY.net snail mail:8679 Co. Rd. 19, Section, AL 35771  
Rigs built: Ramsey mini rcvr-40mtrs, NC38S, SW30-40, NC49'er, NC40A with  
KC1

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: Frank <frank001@postoffice.worldnet.att.net>  
Subject: [14750] Re: So Cal March QST  
Message-ID: <332A2085.69D3@postoffice.worldnet.att.net>

Gary Davey wrote:

>  
> According to the ARRL Web page, the March QST's for Southern California  
> were put in the mail system and were sent inadvertantly by train to  
> Houston, Tx where they have been for several weeks. They are now on a  
> train steaming to the LA bulk mail center where they should arrive  
> tomorrow, March 14.  
>  
> I guess I'll get mine next week.  
>  
> 73's  
>  
> Gary N6VZ

Thanks for the information. I wondered what happened. I already gave up  
on my March QST and bought one at HR0.

73 Frank W6EV

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: Ed Tanton <n4xy@avana.net>  
Subject: [14763] Re: Tuning up my rigs  
Message-ID: <3.0.1.32.19970315032725.0096f100@tiger.avana.net>

Hi Dave... answer: most of the time-even if the input was grounded by such  
as an antenna relay spare contact-there would be enough leakage into the rx  
for you to hear the tx... at QRP levels this might not be so however... the  
method most often used is to key only the VFO with a "spotting" switch,  
since the typical order is 1) find a station, then 2) put your tx on \*his\*  
freq and call him. If you have to add a spotting sw, note that you may have  
to diode isolate the keying of that stage to avoid keying all stages... I'd  
check for sufficient leakage into the rx when transmitting \*before\* going

to any trouble.

72/73

Ed Tanton N4XY      EMAIL: n4xy@avana.net      TEL: (770)579-3933 V/MBX/FAX  
189 Pioneer Trail  
Marietta, GA 30068-3466

QRP-ARCI#7663      G-QRP#6779      OK-QRP#172      QRP-L#758      AdvRC#140  
NORCAL#1779      NCDXF      SEDXC

Life Member: ARRL      AMSAT      IDRA      INDEXA      QCWA  
URL: Coming Sooner or Later

"Think you can, think you can't: either way you're right!" Henry Ford

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: Mike P <73571.3404@CompuServe.COM>  
Subject: [14784] RE: WM-2  
Message-ID: <970315174543\_73571.3404\_FHD48-1@CompuServe.COM>

I like to thank you all for the responce on the meter. I figured also about the MFJ tuners not being accurate under so many watts so that is why I am going to buy a wm2. It is nice to see so many QRPers willing to help a "beginner". Mike  
N0ODK 73 (Buying one Monday)

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: Jim Bennett <jbennett@ebmud.com>  
Subject: [14779] Re: WM2 OHR wattmeter  
Message-ID: <332ACF8B.5992@ebmud.com>

Mike P (call unknown????) wrote:

>

> I was thinking of buying this watt meter and a auto tuner and I was  
> wondering what some of you think of the wm2.

Mike - Within the last 5 weeks I've built both the OHR WM-2 and the LDG QRP autotuner. Love both of them. Had no problems with assembly or setup with either one. You won't go wrong with either or both of these pieces of equipment.

Usual disclaimers, yahdy, yahdy, yahdy....

-----  
Jim Bennett / W6JHB (jbennett@ebmud.com)  
Supervising Systems Programmer  
East Bay Municipal Utility District  
Oakland, CA 94607  
voice: 510.287.0224 / fax: 510.287.0373  
-----

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: Dan Hogan <dhhogan@lightside.com>  
Subject: [14788] Re: WM2 OHR wattmeter  
Message-ID: <3.0.16.19970315104044.2f57cb9c@mail.lightside.com>

I think it's a terrific QRP meter. Reads Watts forward and reflected by switch, not SWR. Alingement is with a VOM. Nota hard kit to assemble.

At 00:04 3/15/97 EST, Mike P Wrote  
>I was thinking of buying this watt meter and a auto tuner and I was wondering  
>what some of you think of the wm2. Mike

Dan Hogan  
West Covina, CA  
dhhogan@lightside.com

From owner-qrp-1@Lehigh.EDU Sat Mar 15 18:05:00 1997  
From: JC\_Smith@designlink.com (JC Smith)  
Subject: [14798] Re: [TowerTalk] Antenna Modeling Programs  
Message-ID: <1226633214.31702066@designlink.com>

>> How about something that models the difference between stranded wire and  
>> solid wire (for the same length of wire), or doesn't the scientific  
>> community feel any such RF-radiation differences exist?

>>

>> Big Don

>Don,

>

>To the best of my knowledge, at HF most sources hold the view that there  
>is no significant difference between solid and stranded wires. Certain  
>stranded wires are constructed in such a manner that a given nominal wire  
>size may not be true to the diameter charts. However, unlike Litz  
>wire--which is effective below about 0.5 MHz, stranded bare stranded wire  
>at HF is considered by most to have the same properties as comparably  
>sized solid wire. Wire contact and field intensity would place the  
>maximum RF current on the exposed surface of the wire. I have found no

>source that accounts for any possible differential in exposed surface  
>area.  
>  
>If a difference did exist, NEC could not model it. Wires closer than  
>0.001 wl are considered connected at junctions, and overlapping wires are  
>generally considered illicit and produce erroneous results, unless  
>error-trapped by a particular implementation. If there is any significant  
>difference between stranded and solid wire, it would take a  
>pre-calculation diameter adjustment to the solid size with the closest  
>performance.

Interesting. I wonder why it is that there does seem to be a difference when the wire is being used as the center conductor in coax cable. Eg: the difference in performance between LMR-400 and LMR-400 ultra flex. The stranded wire should have more surface area and thus better performance, but the opposite is apparently true. Then when you go from the 7 strand to the 19 strand center conductor (if you can find it) the performance supposedly goes back to near that of the solid wire.

Joe Lanou, are you still lurking around out here? Sorry if I got the name wrong, but aren't you the Times Microwave Systems rep. I was corresponding with a while back? Can you shed some light here? Also, any further word on 19 strand LMR-400?

73 - JC,k0hps@amsat.org